

Serial No. **10/804,236**

Docket No. **K-0624**

Amdt. dated May 15, 2007

Reply to Office Action of January 22, 2007

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A drum-type washing machine having a lift installed on an inner circumferential surface of a drum, the lift comprising:
  - a pair of inclined sides, disposed in opposition to each other to form a shape having a regular trapezoidal cross-section, ~~for lifting configured to lift laundry; and~~
  - a pair of friction plates, ~~consisting of including~~ a pair of opposing surfaces, respectively, provided on each of said pair of inclined sides and having a ~~multitude plurality~~ of protuberances formed on both faces, to increase a frictional force with respect to the laundry, ~~wherein the protuberances of said pair of friction plates are a series of ridges each having a predetermined width and height, and wherein the predetermined width and height of the ridges vary with respect to a proximity to a center of the drum, such that the width gradually decreases toward the center of the drum and the height gradually increases toward the center of the drum.~~
2. (Original) The drum-type washing machine as claimed in claim 1, wherein said pair of friction plates is formed of a rubber-based material to increase a frictional force with respect to laundry loaded in the drum.

Serial No. **10/804,236**  
Amdt. dated May 15, 2007  
Reply to Office Action of January 22, 2007

Docket No. **K-0624**

3. (Canceled)

4. (Currently Amended) The drum-type washing machine as claimed in claim 3\_1,  
wherein the predetermined width of the ridges is substantially equal to the predetermined height.

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The drum-type washing machine as claimed in claim 6\_8,  
wherein the projections are substantially cubical.

8. (Currently Amended) ~~The drum-type washing machine as claimed in claim 6, A  
drum-type washing machine having a lift installed on an inner circumferential surface of a drum,  
the lift comprising:~~

a pair of inclined sides, disposed in opposition to each other to form a shape  
having a regular trapezoidal cross-section, configured to lift laundry; and  
a pair of friction plates, including a pair of opposing surfaces, respectively,  
provided on each of said pair of inclined sides and having a plurality of protuberances formed

Serial No. 10/804,236  
Amdt. dated May 15, 2007  
Reply to Office Action of January 22, 2007

Docket No. K-0624

on both faces, to increase a frictional force with respect to the laundry, wherein the protuberances of said pair of friction plates are an array of projections each having a predetermined length, width, and height, and wherein the predetermined width and height of the projections vary with respect to proximity to the center of the drum, such that the width gradually decreases toward the center of the drum and the height gradually increases toward the center of the drum.

9. (Canceled)

10. (Currently Amended) The drum-type washing machine as claimed in claim 9, wherein the predetermined base diameter of the nipples is substantially equal to the predetermined height.

11. (Currently Amended) ~~The drum-type washing machine as claimed in claim 9, A drum-type washing machine having a lift installed on an inner circumferential surface of a drum, the lift comprising:~~

a pair of inclined sides, disposed in opposition to each other to form a shape having a regular trapezoidal cross-section, configured to lift laundry; and

Serial No. 10/804,236

Docket No. K-0624

Amdt. dated May 15, 2007

Reply to Office Action of January 22, 2007

a pair of friction plates, including a pair of opposing surfaces, respectively,  
provided on each of said pair of inclined sides and having a plurality of protuberances formed  
on both faces, to increase a frictional force with respect to the laundry, wherein the  
protuberances of said pair of friction plates are an array of nipples each having a predetermined  
base diameter and height, and wherein the predetermined base diameter and height of the  
nipples vary with respect to proximity to the center of the drum, such that the base diameter  
gradually decreases toward the center of the drum and the height gradually increases toward the  
center of the drum.

12. (Canceled)

13. (Currently Amended) The drum-type washing machine as claimed in claim 42\_1,  
wherein the lift is made of a metal-based material.

14. (Original) The drum-type washing machine as claimed in claim 13, wherein said  
pair of friction plates is formed by an embossing process.

15. (Currently Amended) The drum-type washing machine as claimed in claim 42\_1,  
wherein the lift is made of a plastic-based material.

Serial No. **10/804,236**  
Amdt. dated May 15, 2007  
Reply to Office Action of January 22, 2007

Docket No. **K-0624**

16. (Original) The drum-type washing machine as claimed in claim 15, wherein said pair of friction plates is formed by an injection molding process.

17. (New) The drum-type washing machine as claimed in claim 8, wherein said pair of friction plates is formed of a rubber-based material to increase a frictional force with respect to laundry loaded in the drum.

18. (New) The drum-type washing machine as claimed in claim 8, wherein the lift is made of a metal-based material.

19. (New) The drum-type washing machine as claimed in claim 18, wherein said pair of friction plates is formed by an embossing process.

20. (New) The drum-type washing machine as claimed in claim 8, wherein the lift is made of a plastic-based material.

21. (New) The drum-type washing machine as claimed in claim 20, wherein said pair of friction plates is formed by an injection molding process.

Serial No. 10/804,236  
Amdt. dated May 15, 2007  
Reply to Office Action of January 22, 2007

Docket No. **K-0624**

22. (New) The drum-type washing machine as claimed in claim 11, wherein said pair of friction plates is formed of a rubber-based material to increase a frictional force with respect to laundry loaded in the drum.

23. (New) The drum-type washing machine as claimed in claim 11, wherein the lift is made of a metal-based material.

24. (New) The drum-type washing machine as claimed in claim 23, wherein said pair of friction plates is formed by an embossing process.

25. (New) The drum-type washing machine as claimed in claim 11, wherein the lift is made of a plastic-based material.

26. (New) The drum-type washing machine as claimed in claim 25, wherein said pair of friction plates is formed by an injection molding process.